

2016 Mathematics Standards of Learning  
Algebra Readiness Formative Assessment

5.2b

1. Use the number line to order the list of number from least to greatest.

$$\frac{3}{12}, \frac{8}{9}, 0.75, 0.22$$



2. Infiniti chooses the decimal card below

|      |
|------|
| 0.15 |
|------|

Sam chooses a decimal card and claims that his decimal is less than Infiniti's. If Sam is correct, give three different examples of decimals that he could have chosen. Then explain how you know that Sam's decimal is greater than Infiniti's

3. Which statement is true?
  - a.  $2.564 > 2.123$
  - b.  $2.524 < 2.032$
  - c.  $2.358 > 2.453$
  - d.  $2.765 < 2.456$

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4. By dinner time, Martie had finished  $\frac{3}{10}$  of the questions from her math homework. Her sister, Lisa, had finished  $\frac{1}{7}$  of the questions from her homework. Their friend, Sabrina, had only finished  $\frac{3}{8}$  of her homework. Sabrina's sister, Diane, had only done  $\frac{3}{12}$  of her homework. Who had finished the greater fraction of her questions?
- a. Martie
  - b. Lisa
  - c. Sabrina
  - d. Diane
5. The Chart shows the Lifetime Batting Averages for Leading Players

| Player        | Team                | Batting Average |
|---------------|---------------------|-----------------|
| Albert Pujols | St. Louis Cardinals | 0.331           |
| Chipper Jones | Atlanta Braves      | 0.304           |
| Manny Ramirez | Boston Red Sox      | 0.315           |
| Mike Piazza   | San Diego Padres    | 0.309           |
| Derek Jeter   | New York Yankess    | 0.316           |

Which shows the players batting average from least to greatest?

- a. Piazza, Pujols, Jeter
- b. Jones, Ramirez, Piazza
- c. Ramirez, Jeter, Pujols
- d. Pujols, Jones, Jeter